

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
SPOHN et al.	)	Art Unit: 3767
	)	
Patent No.: 7,556,619	)	Customer No.: 21140
	)	
Issue Date: July 7, 2009	)	Confirmation No.: 8191
	)	
Title: FLUID DELIVERY SYSTEM HAVING	)	Examiner: E. MacNeill
A FLUID LEVEL SENSOR AND A	)	
FLUID CONTROL DEVICE FOR	)	
ISOLATING A PATIENT FROM A	)	
PUMP DEVICE	)	

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents  
Certificate of Correction Branch  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir/Madam:

MEDRAD, Inc., assignee of U.S. Patent 7,556,619 ("619 patent") issued 7 July 2009, hereby requests that the changes noted on the attached Form-1050 be made to the referenced patent, and that an official *Certificate of Correction* be issued by the U.S. Patent and Trademark Office (USPTO) pursuant to 37 C.F.R. §1.323.

I hereby certify that this correspondence is being electronically filed with the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 7, 2009.

  
\_\_\_\_\_  
Susan M. Lloyd

Pursuant to 37 C.F.R. §3.73, the assignee affirms that it is the sole owner of the '619 patent by virtue of a chain assignments from the inventors to MEDRAD, Inc., the current assignee. As of today's date, the assignment has been recorded with the ASSIGNMENT DIVISION OF THE USPTO. A copy of the recordal is attached hereto. Furthermore, as required by 37 C.F.R. §3.73(2)(i), the undersigned is authorized to act on behalf of the assignee.

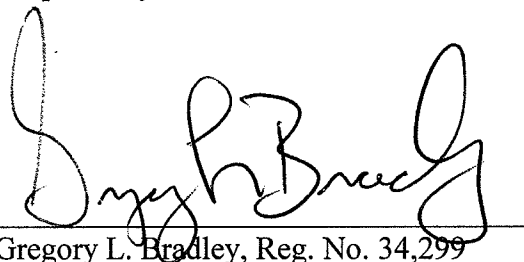
The location of the mistakes and the corrections to be made therefore are shown in the attached Form-1050. The errors occurred at the time of filing and during prosecution of the application for patent, and were inadvertent and made without deceptive intent. The errors are all of a clerical, typographical and/or minor character, and their correction does not require reexamination or introduce any new matter into the patent.

Assignee hereby requests that the *Certificate of Correction* be issued in due course and that the original be sent to the undersigned counsel of record for Assigned and Patentee.

Accompanying this submission is the required fee of \$100, imposed by 37 C.F.R. §1.20(a), for correction of the mistakes.

Prompt issuance of the *Certificate of Correction* is respectfully requested. If the recipient of this correspondence has any questions regarding the matters addressed herein, the recipient is invited to call the undersigned at the telephone number listed below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Gregory L. Bradley", written over a horizontal line.

Gregory L. Bradley, Reg. No. 34,299

August 7, 2009

MEDRAD, Inc.  
One Medrad Drive  
Indianola, PA 15051  
Telephone: 412-767-2400  
Facsimile: 412-767-8899

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,556,619  
APPLICATION NO.: 10/825, 866  
ISSUE DATE : 7 July 2009  
INVENTOR(S) : SPOHN et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Drawings, in Fig. 3, Sheet 3 of 37, delete "PESSURE" and insert - - PRESSURE - -, therefor.

In the Specification, in Column 12, Line 3, delete "level" and insert - - level. - -, therefor.

In the Specification, in Column 15, Line 23, delete "17" and insert - - 17; - -, therefor.

In the Specification, in Column 24, Line 52, delete "2004" and insert - - 2004, - -, therefor.

In the Claims, in Column 53, Line 18, in Claim 11, delete "1," and insert - - claim 1, - -, therefor.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

AUG 05 2009

MEDRAD

AUGUST 03, 2009

PTAS

GREGORY L BRADLEY MEDRAD INC  
ONE MEDRAD DRIVE  
INDIANOLA, PA 15051

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 05/22/2009

REEL/FRAME: 022724/0486

NUMBER OF PAGES: 17

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: CV/04-001

ASSIGNOR:

SPOHN, MICHAEL A.

DOC DATE: 12/16/2004

ASSIGNOR:

JOYCE, THOMAS P.

DOC DATE: 12/13/2004

ASSIGNOR:

EHRENBERGER, MICHAEL J.

DOC DATE: 12/14/2004

ASSIGNOR:

DEDIG, JAMES ALBERT

DOC DATE: 12/14/2004

ASSIGNOR:

HAURY, JOHN A.

DOC DATE: 12/14/2004

ASSIGNOR:

FELIX, SUSAN L.

DOC DATE: 12/14/2004

ASSIGNOR: CALLAN, GERALD W.	DOC DATE: 12/13/2004
ASSIGNOR: SHEARER, JOHN D., JR.	DOC DATE: 12/14/2004
ASSIGNOR: SPEICHER, JONATHAN R.	DOC DATE: 12/14/2004
ASSIGNOR: SCUTT, CHRISTOPHER M.	DOC DATE: 12/14/2004
ASSIGNOR: GRUBIC, HERB	DOC DATE: 12/13/2004
ASSIGNOR: KOPACKO, RALPH E.	DOC DATE: 12/14/2004
ASSIGNOR: BARLOW, WILLIAM D.	DOC DATE: 12/14/2004
ASSIGNOR: STOKES, JERRY A., JR.	DOC DATE: 01/03/2005
ASSIGNOR: CRITCHLOW, RICHARD G.	DOC DATE: 12/14/2004
ASSIGNOR: ZELENSKI, KAREN M.	DOC DATE: 12/14/2004
ASSIGNOR: HUSSAIN, <IRZA HYDER	DOC DATE: 01/20/2005
ASSIGNOR: O'MEARA, LINDA M.	DOC DATE: 12/14/2004
ASSIGNOR: BEAULIEU, RODERICK H.	DOC DATE: 12/10/2004
ASSIGNOR: KWO, JENNIE	DOC DATE: 12/08/2004
ASSIGNOR: PEDRAZA, LUIS A.	DOC DATE: 12/08/2004
ASSIGNEE: MEDRAD, INC. ONE MEDRAD DRIVE INDIANOLA, PENNSYLVANIA 15051	

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Linda O'Meara; Luis Pedraza; Christopher Scutt; John Shearer;  
Jonathan Speicher; Michael Spohn; Jerry Stokes Jr.; Karen Zelenski;

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 12/14, 8, 14, 14, 14/04, 1/3/05; 12/14/04.

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: MEDRAD, Inc.

Internal Address: \_\_\_\_\_

Street Address: One Medrad Drive

City: Indianola

State: Pennsylvania

Country: United States Zip: 15051

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

10/825,866

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Gregory L. Bradley

Internal Address: MEDRAD, Inc.

Street Address: One Medrad Drive

City: Indianola

State: Pennsylvania Zip: 15051

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$40**

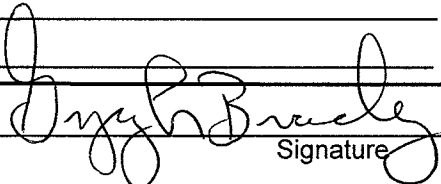
- ☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

  
Signature

5/22/09  
Date

Gregory L. Bradley, Reg. No. 34,299

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 15

## ASSIGNMENT

WHEREAS, We, **Michael A. Spohn**, a citizen and resident of the United States of America, whose post office address is 112 Pine Ridge Lane, Butler, PA 16002; and **Thomas P. Joyce**, a citizen and resident of the United States of America, whose post office address is 3571 Ridgewood Drive, Wilkins Township, PA 15235; **Michael J. Ehrenberger**, a citizen and resident of the United States of America, whose post office address is 200 East Genessee Street, Pittsburgh, PA 15223, and **James Albert Dedig**, a citizen and resident of the United States of America, whose post office address is 7 Elmhurst Road, Pittsburgh, PA 15220, and **John A. Haury**, a citizen and resident of the United States of America, whose post office address is 2514 Nicholson Road, Sewickley, PA 15143, and **Susan Lynn Felix**, a citizen and resident of the United States of America, whose post office address is 4332 Luster Street, Pittsburgh, PA 15219, and **Gerald W. Callan**, a citizen and resident of the United States of America, whose post office address is 108 Hunter Drive, Cranberry Township, PA 16066; and **John D. Shearer, Jr.**, a citizen and resident of United States of America, whose post office address is 6 Wilps Drive, Herminie, PA 15637; and **Jonathan R. Speicher**, a citizen and resident of the United States of America, whose post office address is 318 S. Braddock Ave. Apt 1, Pittsburgh, PA 15221, and **Christopher M. Scutt**, a citizen and resident of United States of America, whose post office address, whose post office address is 416 Windy Hill Lane, Murrysville, PA 15668; and **Herb Grubic**, a citizen and resident of the United States of America, whose post office address is 306 Mount Royal Boulevard, Pittsburgh, PA 15223, and **Ralph E. Kopacko**, a citizen and resident of United States of America, whose post office address, whose post office address is 211 Fairview Drive Lane, Irwin, PA 15642 and **William D. Barlow**, a citizen and resident of the United States of America, whose post office address is 111 Bower Hill Road, Pittsburgh, PA 15228, and **Jerry A. Stokes, Jr.**, a citizen and resident of United States of America, whose post office address, 1321 G.I. Road, Apollo, PA 15613, and **Richard G. Critchlow**, a citizen and resident of the United States of America, whose post office address is 101 Washington Avenue, Apt. 431, Oakmont, PA 15139, and **Karen M. Zelenski**, a citizen and resident of the United States of America, whose post office address is 217 Hillvue Drive, Seven Fields, PA 16046, and **Mirza Hyder Hussain**, a citizen of India and a resident of the United States of America, whose post office address, 170 Edgemeade Drive, Monroeville, PA 15146, and **Linda M. O'Meara**, a citizen and resident of the United States of America, whose post office address is 632 Field Club Road, Pittsburgh, PA 15238, and **Roderick H. Beaulieu**, a citizen and resident of the United States of America, whose post office address is 196 Hines Road, Cumberland, RI 02864, and **Jennie Kwo**, a citizen of Canada and resident of the United States of America, whose post office address is 32 Kelly Road, Cambridge, MA 02139, **Luis A. Pedraza** a citizen and resident of the United States of America, whose post office address is 43 Howitt Road, West Roxbury, MA 02132, (hereinafter collectively referred to as ASSIGNOR), have invented and own a certain invention entitled

### **FLUID DELIVERY SYSTEM, FLUID CONTROL DEVICE, AND METHODS ASSOCIATED WITH THE FLUID DELIVERY SYSTEM AND FLUID CONTROL DELIVERY**

which is described in an application for Letters Patent of the United States of America filed on April 16, 2004, and assigned application Serial No. 10/825,866; and

WHEREAS, Medrad, Inc., a corporation organized and existing under the laws of the State of Delaware and having a place of business at One Medrad Drive, Indianola, PA 15051 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.



NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries, said application for Letters Patent, and any and all issued Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to ASSIGNEE.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

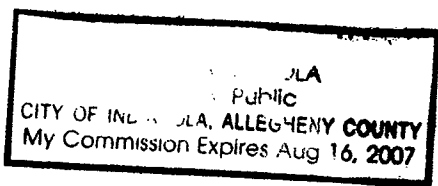
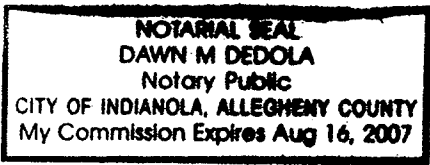
IN WITNESS WHEREOF, We have hereunto set our hands and seal this 16 day of December, 2004.

Michael A. Spohn  
Michael A. Spohn

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

BE IT KNOWN, that on this 16 day of December, 2004, before me personally came Michael A. Spohn, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Dawn M Dedola  
Notary Public



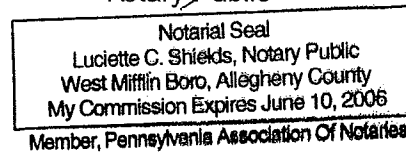
IN WITNESS WHEREOF, We have hereunto set our hands and seal this 13<sup>th</sup> day of December, 2004.

Thomas P. Joyce  
Thomas P. Joyce

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 13<sup>th</sup> day of December, 2004, before me personally came Thomas P. Joyce, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Lucette C. Shields  
Notary Public



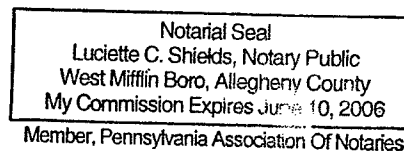
IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup> day of December, 2004.

Michael J. Ehrenberger  
Michael J. Ehrenberger

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came Michael J. Ehrenberger, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Lucette C. Shields  
Notary Public



IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup>  
day of December, 2004.

James Albert Dedig  
James Albert Dedig

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came James Albert Dedig, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Luciette C. Shields  
Notary Seal  
Luciette C. Shields, Notary Public  
West Mifflin Boro, Allegheny County  
My Commission Expires June 10, 2006  
Member, Pennsylvania Association Of Notaries

IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup>  
day of December, 2004.

John A. Haury  
John A. Haury

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came John A. Haury, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Luciette C. Shields  
Notary Public

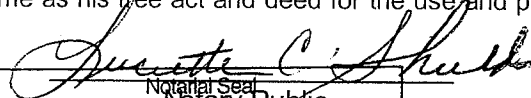
Notarial Seal  
Luciette C. Shields, Notary Public  
West Mifflin Boro, Allegheny County  
My Commission Expires June 10, 2006  
Member, Pennsylvania Association Of Notaries

IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup>  
day of December, 2004.

  
Susan Lynn Felix

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came Susan Lynn Felix, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

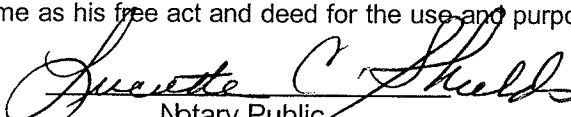
  
Notarial Seal  
Luciette C. Shields, Notary Public  
West Mifflin Boro, Allegheny County  
My Commission Expires June 10, 2006  
Member, Pennsylvania Association Of Notaries

IN WITNESS WHEREOF, We have hereunto set our hands and seal this 13<sup>th</sup>  
day of December, 2004.

  
Gerald W. Callan

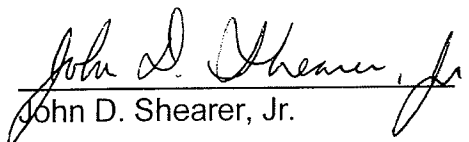
STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 13<sup>th</sup> day of December, 2004, before me personally came Gerald W. Callan, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
Notary Public

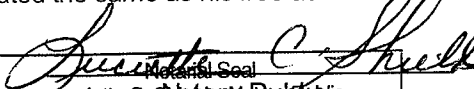
Notarial Seal  
Luciette C. Shields, Notary Public  
West Mifflin Boro, Allegheny County  
My Commission Expires June 10, 2006  
Member, Pennsylvania Association Of Notaries

IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup> day of December, 2004.

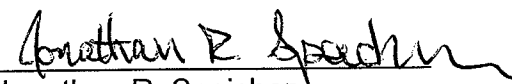
  
John D. Shearer, Jr.

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came John D. Shearer, Jr., to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

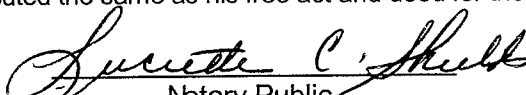
  
Notarial Seal  
Luciette C. Shields, Notary Public  
West Mifflin Boro, Allegheny County  
My Commission Expires June 10, 2006  
Member, Pennsylvania Association Of Notaries

IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup> day of December, 2004.

  
Jonathon R. Speicher  
Jonathon

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came Jonathon R. Speicher, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
Notary Public  
Notarial Seal  
Luciette C. Shields, Notary Public  
West Mifflin Boro, Allegheny County  
My Commission Expires June 10, 2006  
Member, Pennsylvania Association Of Notaries

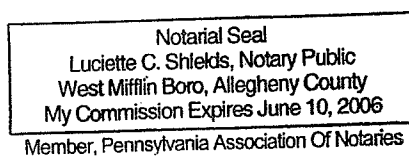
IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup> day of December, 2004.

Christopher M. Scutt  
Christopher M. Scutt

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came Christopher M. Scutt, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Luciette C. Shields  
Notary Public



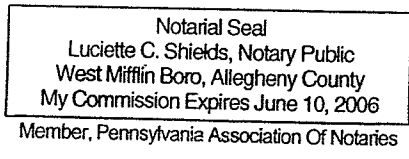
IN WITNESS WHEREOF, We have hereunto set our hands and seal this 13<sup>th</sup> day of December, 2004.

Herb Grubic  
Herb Grubic

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 13<sup>th</sup> day of December, 2004, before me personally came Herb Grubic, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Luciette C. Shields  
Notary Public

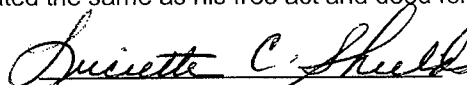


IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup>  
day of December, 2004.


  
Ralph E. Kopacko

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came  
Ralph E. Kopacko, to me known to be the person mentioned in and who executed the foregoing  
assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and  
purposes therein mentioned.

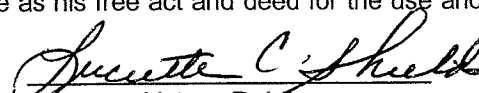
  
Notary Public  
Notarial Seal  
Luciette C. Shields, Notary Public  
West Mifflin Boro, Allegheny County  
My Commission Expires June 10, 2006  
Member, Pennsylvania Association Of Notaries

IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup>  
day of December, 2004.

  
William D. Barlow


STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came  
William D. Barlow, to me known to be the person mentioned in and who executed the foregoing assignment,  
and he acknowledged to me that he executed the same as his free act and deed for the use and purposes  
therein mentioned.

  
Notary Public

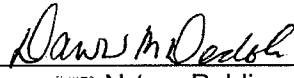
Notarial Seal  
Luciette C. Shields, Notary Public  
West Mifflin Boro, Allegheny County  
My Commission Expires June 10, 2006  
Member, Pennsylvania Association Of Notaries

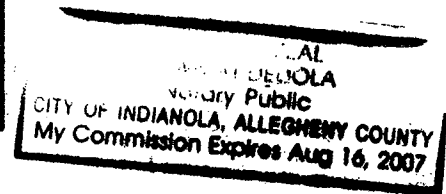
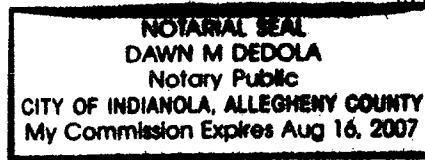
IN WITNESS WHEREOF, We have hereunto set our hands and seal this 3rd  
day of ~~December, 2004~~  
January, 2005

  
Jerry A. Stokes, Jr.


STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

January, 2005  
**BE IT KNOWN**, that on this 3 day of ~~December, 2004~~, before me personally came Jerry A. Stokes, Jr., to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
Notary Public

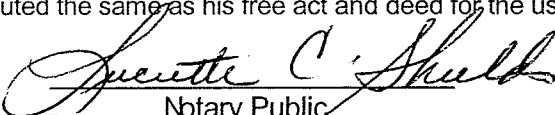


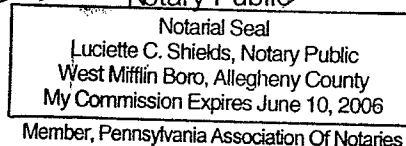
IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup>  
day of December, 2004.

  
Richard G. Critchlow

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

14<sup>th</sup>  
**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came Richard G. Critchlow, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
Notary Public





IN WITNESS WHEREOF, We have hereunto set our hands and seal this 14<sup>th</sup>  
day of December, 2004.

Karen M. Zelenski  
Karen M. Zelenski

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 14<sup>th</sup> day of December, 2004, before me personally came Karen M. Zelenski, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Lucette C. Shields  
Notary Public  
Notarial Seal  
Luciette C. Shields, Notary Public  
West Mifflin Boro, Allegheny County  
My Commission Expires June 10, 2006  
Member, Pennsylvania Association Of Notaries

IN WITNESS WHEREOF, We have hereunto set our hands and seal this 20  
day of ~~December, 2004.~~  
JANUARY, 2005

Mirza Hyder Hussain  
Mirza Hyder Hussain

STATE OF Pennsylvania )  
 ) ss.  
COUNTY OF Allegheny )

**BE IT KNOWN**, that on this 20<sup>th</sup> day of ~~December, 2004.~~ JANUARY, 2005, before me personally came Mirza Hyder Hussain, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Lucette C. Shields  
Notary Public

Notarial Seal  
Luciette C. Shields, Notary Public  
West Mifflin Boro, Allegheny County  
My Commission Expires June 10, 2006  
Member, Pennsylvania Association Of Notaries

14<sup>th</sup>

Linda M. O'Meara

Y

) SS.

)

4h

~~Notary Public~~

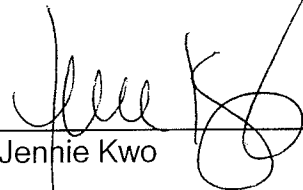
Notarial Seal

My Commission Expires June 10, 2006

Member, Pennsylvania Association Of Notaries



IN WITNESS WHEREOF, We have hereunto set our hands and seal this 8  
day of December, 2004.

  
\_\_\_\_\_  
Jennie Kwo

STATE OF MA )  
COUNTY OF Middlesex ) ss.

**BE IT KNOWN**, that on this 8 day of December, 2004, before me personally came Jennie Kwo, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
\_\_\_\_\_  
Notary Public


PAMELA A. WEIR  
Notary Public  
My Commission Expires  
August 8, 2008

IN WITNESS WHEREOF, We have hereunto set our hands and seal this 8  
day of December, 2004.

  
\_\_\_\_\_  
Luis A. Pedraza

STATE OF MA )  
COUNTY OF Middlesex ) ss.

**BE IT KNOWN**, that on this 8 day of December, 2004, before me personally came Luis A. Pedraza, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

  
\_\_\_\_\_  
Notary Public

PAMELA A. WEIR  
Notary Public  
My Commission Expires  
August 8, 2008